New FL6900U
FULLHD 1080

Input and Output Terminals

1 REMOTE IN and OUT terminals
2 LAN terminal
3 SERIAL terminal (D-Sub 9pin)
4 USB (COMPUTER) terminal
5 COMPUTER / COMPONENT VIDEO DVI-D (HDCP) terminal (DVI-D 24pin)
6 COMPUTER / COMPONENT VIDEO IN 1 terminals (R/P$_R$, G/Y, B/P$_B$, H/HV, V) (BNC)
7 Main power switch O : OFF I : ON
8 Power jack
9 AUDIO IN 1 terminal (Mini jack)
  — The AUDIO IN 1 terminal is used for both COMPUTER 1 and DVI input.
10 AUDIO IN 2 terminal (Mini jack)
11 COMPUTER / COMPONENT VIDEO IN 2 terminal (Mini D-Sub 15pin)
12 MONITOR OUT terminal (Mini D-Sub 15pin)
13 AUDIO OUT terminal (Mini jack)
14 VIDEO IN and audio input terminals
15 S-VIDEO IN and audio input terminals
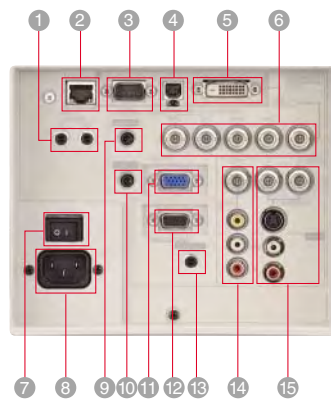
Specifications

Model	FL6900U
Display technology	1.1" 3-LCD
Resolution	1920 x 1080 (Total 2,073,600 pixels)
Brightness	4000 lm
Contrast ratio	1000:1 (on/off)
Projection lens	f=51-64mm, F1.8-2.1
Throw ratio	2.01 - 2.56
Offset axis	10 : 0 (default) with variable H + V powered lens shift (excluding OL-X500FR)
Zoom / Focus	Motorized Zoom & Focus
Picture size	60" - 250" (100"=4.5 - 5.7m)
Source lamp	220W (Shut Off Time 4000Hrs) with Low mode, 275W (Shut Off Time 2000Hrs) with Standard mode
Computer compatibility	Resolution ; 640 x 400 (Expand) - 1920 x 1080 (Real) - 1600 x 1200 (Compress) Sync on Green available
Video compatibility	NTSC / NTSC 4.43 / PAL (including PAL-M, N) / SECAM / PAL-60, Component Video ; 480i/p (525i/p), 576i/p (625i/p), 720p (750p 50/60Hz), 1080i (1125i 50/60Hz),1080p (1125p 50/60Hz), (1080i (1250i 50Hz) is not available) SCART (RGB + 1V sync, only Mini D-Sub 15pin Terminal)
Input terminals	PC ; 5 BNC x 1, Mini D-Sub 15pin x 1, DVI-D(with HDCP) x 1, PC Audio ; Stereo mini jack (φ3.5mm) x 2 Video ; RCA x 1 or BNC x 1, S-VIDEO (4pin) x 1 or S-VIDEO Y/C (BNC), Video Audio ; RCA (L/R) x 2
Output terminals	RGB ; Min D-Sub 15 pin x 1, Audio ; Stereo mini jack (φ3.5mm) x 1 (Variable Out)
Communication terminals	LAN (RJ-45) ; x 1 (Projector control), RS-232C ; D-Sub 9pin x 1 (Direct command is available.), USB ; x 1 (for Mouse Cursor Control), Wired remote (IN) ; x 1 (φ3.5mm Stereo mini jack), Wired remote (OUT) ; x 1 (φ3.5mm Stereo mini jack)
Audio speaker	10 W Mono
Dimensions (W x H x D)	443 x 207 x 434 mm / 17.4 x 8.1 x 17.1 inch (Including Detachable Terminal Cover)
Weight	9.8kg / 21.6lbs (Excluding Detachable Terminal Cover)
Power supply	AC100 - 240V, 50/60Hz

* SXGA, XGA and SVGA are registered trademarks of IBM Corporation.
* All brand names and product names are trademarks, registered trademarks or trade names of their respective holders.

Optional Lenses Line-UP

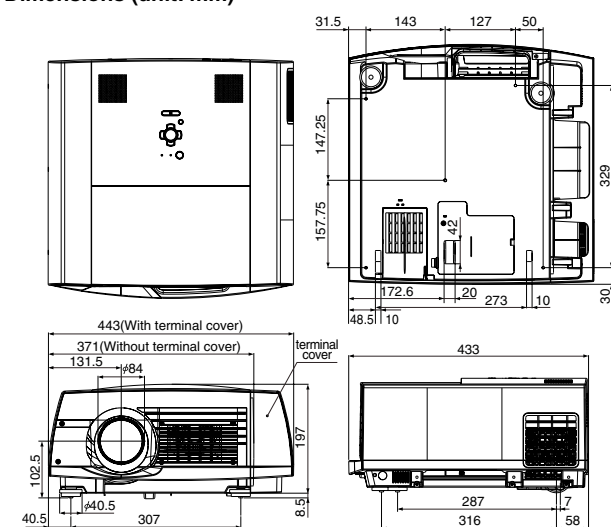OL-X500SZ（Short Throw Zoom Lens） OL-X500LZ（Long Throw Zoom Lens） OL-X500TZ（Tele Throw Zoom Lens） OL-X500FR(F)（Rear Projection Short Throw Fix Lens with Front Cabinet）

* For those who already have OL-X500FR, a front cabinet CA-XL6600(FR) is necessary for use.

Projection Distance with Optional Lenses

Screen Size (inch)	OL-X500SZ Shortest (Wide) inch	m	Longest (Tele) inch	m	OL-X500LZ Shortest (Wide) inch	m	Longest (Tele) inch	m	OL-X500TZ Shortest (Wide) inch	m	Longest (Tele) inch	m	OL-X500FR inch	m
60	74	1.9	90	2.3	-	-	-	-	-	-	-	-	43	1.1
80	100	2.5	121	3.1	173	4.4	244	6.2	256	6.5	386	9.8	59	1.5
100	125	3.2	152	3.9	220	5.6	307	7.8	319	8.1	484	12.3	75	1.9
150	189	4.8	229	5.8	331	8.4	465	11.8	484	12.3	728	18.5	114	2.9
200	253	6.4	305	7.8	445	11.3	622	15.8	646	16.4	972	24.7	-	-
250	317	8.1	-	-	555	14.1	780	19.8	811	20.6	1217	30.9	-	-

Screen Size and Projection Distance

Refer to the following table to determine the screen size and projection distance.

Front projection

Front projection, ceiling mounting

Screen Size Diagonal size inch	cm	Height (H) inch	cm	Width (W) inch	cm	Projection distance (L) Shortest (Wide) inch	m	Longest (Tele) inch	m	Lens movable range H1 inch	cm	H2 inch	cm	W1 inch	cm
60	152	29	75	52	133	104	2.6	133	3.4	15	38	4	10	3	7
80	203	39	100	70	177	140	3.5	178	4.5	20	51	5	13	4	9
100	254	49	125	87	221	175	4.5	223	5.7	25	63	7	17	4	11
150	381	74	187	131	332	264	6.7	336	8.5	37	94	10	25	7	17
200	508	98	249	174	443	354	9.0	449	11.4	49	125	13	34	9	22
250	635	123	311	218	553	443	11.2	-	-	62	156	17	42	11	28

* The above figures are approximate and may be slightly different from the actual measurements.

Dimensions (unit: mm)

31.5 143 127 50
147.25 157.75 329 30
172.6 20 273 10
48.5 10
443(With terminal cover)
371(Without terminal cover) terminal cover
131.5 φ84 197 433
102.5 40.5 307 8.5 287 316 7 58

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To find out more about the FL6900U and other projectors, visit us at
Global.MitsubishiElectric.com/projectors/

Changes for the Better

MITSUBISHI ELECTRIC
MULTIMEDIA DATA/VIDEO PROJECTORS

Image power that will change business styles.
The debut of the FL6900U. Full HD anytime, anywhere.

FL6900U
New **FULLHD 1080**

High usability suited for business environments.

Visual communications that's a step ahead

Present in impressive full1080p high-definition, complete with split (side-by-side) screen display.
Vividly reproduce your presentation and video images for videoconferences, seminars, lectures and meetings.
With the FL6900U your power of expression is a cut above the rest and is a key to persuasive presentations every time.

New **FULLHD 1080** FL6900U

Full 1080p dramatically expands your image

Large capacity visual images are impossible to reproduce in full with conventional XGA projectors. The FL6900U is compatible with HDTV broadcasts and Blu-ray Disc to project impressive and full 1080p images in all their original digital glory.

XGA(1024 X 768)

1080p(1920 X 1080)
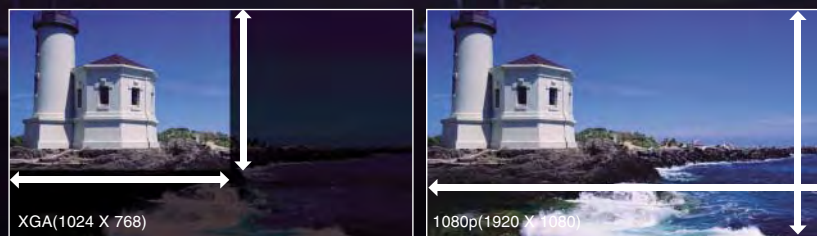
Split (side-by-side) window function brings expression to the next level

The split-screen function of conventional XGA projectors overlap, with the sub-screen in front of the main screen. Our full high-definition panels present perfectly parallel split windows, placing two screens side-by-side. When displays are simultaneous and identical in scale, comparative viewing is clear and effective.

XGA(1024 X 768)   *XL5980U/XL5900U   1080p(1920 X 1080)
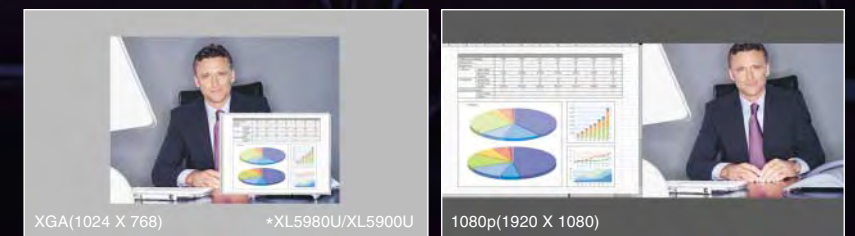
High bright 4000lm

The FL6900U delivers high bright 4000 lumen images.
A high brightness level for presenting in large meeting rooms and conference halls.
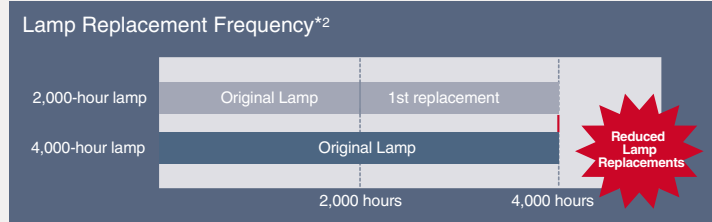
2000lm   4000lm

Ultra Quiet 29dBA Operation

Fan noise emanating from a projector can get annoying during a presentation or videoconference, but now that's a thing of the past. The FL6900U offers a significantly low noise level of only 29dBA (Low lamp mode). As a result, your audience can enjoy the presentation or conference without noisy distractions from the projector.

Long 4000hrs Lamp Life

Designed with a lamp temperature controlling system, the FL6900U can support a lamp life of up to 4000 hours*[1]. The long life lamp makes dramatic reductions in overall cost of ownership by decreasing the frequency of lamp replacements.

Lamp Replacement Frequency*[2]

2,000-hour lamp	Original Lamp	1st replacement
4,000-hour lamp	Original Lamp	
	2,000 hours	4,000 hours

Reduced Lamp Replacements

(*1): When used in Low lamp mode. Maximum lamp life at standard mode use is 2,000 hours. (*2): Lamp life refers to the average time required for brightness to be reduced by half, and not the time specified in the warranty. Use time may vary widely by the environment and conditions, and whether or not cleaning and other maintenance procedures are followed.

Enhanced Connectivity with RJ-45

A RJ-45 connector provides an audio-visual manager with the ease of LAN control. Using the included software, you can manage the projectors on your network. An automatic alert can be sent via email to notify you if a projector needs attention.

sRGB

Developed to ensure standard, uniform color reproduction regardless of the type of display used, sRGB color profile technology uses independent color coordinates common to all display technologies. As a result, it helps to eliminate hue variations that occur between different display systems and more accurately matches the way colors look in real life.

Non-sRGB   Original   sRGB

To find out the details of sRGB, visit us at : http://global.mitsubishielectric.com/bu/projectors/technology/

Projector View (Diagnostic System)

To monitor projectors and facilitate maintenance, incorporated diagnostic system provides control over key projector functions such as power on/off as well as warnings for operating temperature and filter clogging. Controlled via a master PC, this system is ideal for a Local Area Network (LAN) for both academic and business environments.

ROOM101   FL6900U   ROOM202   FL6900U

Local Area Network

Projector View, PC Monitoring Station
Remote access to Projector View can be launched via the Internet

Projector View, PC Monitoring Station
A PC with web browser